

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1823.0330001APPLICATION NO.
09/821,044APPLICANT
David C. SmithFILING DATE
March 30, 2001GROUP
2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
SCC	AA1	2,500,017	03/1950	Altman	88	57	
	AB1	3,200,701	08/1965	White	88	14	
	AC1	3,482,498	12/1969	Becker	95	12	
	AD1	3,527,535	09/1970	Monroe	356	71	
	AE1	3,617,120	11/1971	Roka	353	28	
	AF1	3,699,519	10/1972	Campbell	340	146.3 E	
	AG1	3,947,128	03/1976	Weinberger et al.	356	71	
	AH1	3,968,476	07/1976	McMahon	340	146.3 E	
	AI1	4,032,975	06/1977	Malueg et al.	358	213	
	AJ1	4,063,226	12/1977	Kozma et al.	365	125	
	AK1	4,210,899	07/1980	Swonger et al.	340	146.3 E	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
SCC	AL1	0 101 772 A1	03/1984	EPO	G07C	9/00	Yes No
	AM1	0 308 162 A2	03/1989	EPO	A61B	5/10	Yes No
	AN1	0 379 333 A1	07/1990	EPO	G07F	7/10	Yes No
	AO1	0 379 333 B1	07/1995	EPO	G07F	7/10	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	1	Btt (Biometric Technology Today), Finger technologies contacts, Publisher Sarah Clark, sclark@sjbresearch.com , 2 pages.
	AS	1	Drake, M.D. et al., "Waveguide hologram fingerprint entry device," <i>Optical Engineering</i> , Vol. 35, No. 9, September 1996, Copyright 1996, Society of Photo-Optical Instrumentation Engineers, pp. 2499-2505.
	AT	1	Roethenbaugh, G. (ed.), <i>Biometrics Explained</i> , 1998, ICSA, pp. 1-34.
	AU	1	Automated Identification Systems (visited May 20, 1999) < http://www.trw.com/idsystems/bldgaccess2.html >, 1 page, Copyright 1999, TRW Inc.

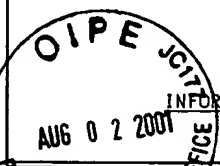
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6/3/05

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
SC	AA2	4,414,684	11/1983	Blonder	382	4	
	AB2	4,537,484	08/1985	Fowler et al.	354	62	
	AC2	4,544,267	10/1985	Schiller	356	71	
	AD2	4,601,195	07/1986	Garritano	73	60	
	AE2	4,681,435	07/1987	Kubota et al.	356	71	
	AF2	4,783,823	11/1988	Tasaki et al.	382	4	
	AG2	4,784,484	11/1988	Jensen	356	71	
	AH2	4,792,226	12/1988	Fishbine et al.	356	71	
	AI2	4,811,414	03/1989	Fishbine et al.	382	52	
	AJ2	4,876,726	10/1989	Capello et al.	382	4	
	AK2	4,924,085	05/1990	Kato et al.	250	227.28	

FOREIGN PATENT DOCUMENTS


EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
SC	AL2	0 623 890 A2	11/1994	EPO	G06K	9/38	Yes No
	AM2	0 889 432 A2	01/1999	EPO	G06K	9/00	Yes No
	AN2	0 905 646 A1	03/1999	EPO	G06K	11/18	Yes No
	AO2	0 924 656 A2	06/1999	EPO	G07C	9/00	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SC	AR	2	Ultra-Scan Corporation Home Page (visited May 20, 1999) <http://www.ultra-scan.com/index.htm>, 3 pages. (discusses technology as early as 1996)
	AS	2	Profile (last updated August 16, 1998) <http://www.dermalog.de/Britain/Profile/profile.htm>, 3 pages. (discusses technology as early as 1990)
	AT	2	ID-Card System Technical Specifications (last updated July 18, 1998) <http://dermalog.de/Britain/Products/ID-Card/idcard2.htm>, 2 pages.
	AU	2	Fujitsu Limited Products and Services (updated April 21, 1999) <http://www.fujitsu.co.jp/hypertext/Products/index-e.html>, 3 pages, Copyright 1995-1999, Fujitsu Limited.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
SCC	AA3	4,933,976	06/1990	Fishbine <i>et al.</i>	382	4	
	AB3	4,995,086	02/1991	Lilley <i>et al.</i>	382	4	
	AC3	5,054,090	10/1991	Knight <i>et al.</i>	382	4	
	AD3	5,067,162	11/1991	Driscoll, Jr. <i>et al.</i>	382	5	
	AE3	5,067,749	11/1991	Land	283	117	
	AF3	5,131,038	07/1992	Puhl <i>et al.</i>	380	23	
	AG3	5,146,102	09/1992	Higuchi <i>et al.</i>	250	556	
	AH3	5,187,747	02/1993	Capello <i>et al.</i>	382	4	
	AI3	5,222,152	06/1993	Fishbine <i>et al.</i>	382	2	
	AJ3	5,230,025	07/1993	Fishbine <i>et al.</i>	382	4	
	AK3	5,233,404	08/1993	Lougheed <i>et al.</i>	356	71	

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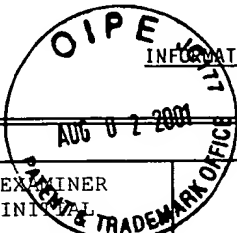
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
SCC	AL3	2 089 545 A	06/1982	GB	G06K	9/20	Yes No
	AM3	2 313 441 A	11/1997	GB	G06K	7/10	Yes No
	AN3	WO 87/02491	04/1987	PCT	G07C	9/00	Yes No
	AO3	WO 90/03620	04/1990	PCT	G06K	9/20	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	<u>3</u>	SonyDCam (visited May 20, 1999) < http://www.microsoft.com/DDK/ddkdocs/Win2k/sonydcam.htm >, 3 pages, Copyright 1999, Microsoft Corporation.
	AS	<u>3</u>	Verid Fingerprint Verification (visited May 17, 1999) < http://www.tssi.co.uk/products/finger.html >, 2 pages.
	AT	<u>3</u>	Startek's Fingerprint Verification Products: Fingerguard FG-40 (visited May 18, 1999) < http://www.startek.com.tw/product/fg40/fg40.html >, 3 pages.
	AU	<u>3</u>	SAC Technologies Showcases Stand-Alone SAC-Remote(TM) (visited May 18, 1999) < http://www.pathfinder.com/money/latest/press/PW/1998Mar25/1026.html >, 2 pages.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
scl	AA4	5,249,370	10/1993	Stanger et al.	34	22	
	AB4	Des. 348,445	07/1994	Fishbine et al.	D14	107	
	AC4	Des. 351,144	10/1994	Fishbine et al.	D14	107	
	AD4	5,384,621	01/1995	Hatch et al.	355	204	
	AE4	5,412,463	05/1995	Sibbald et al.	356	71	
	AF4	5,416,573	05/1995	Sartor, Jr.	356	71	
	AG4	5,467,403	11/1995	Fishbine et al.	382	116	
	AH4	5,469,506	11/1995	Berson et al.	380	23	
	AI4	5,473,144	12/1995	Mathurin, Jr.	235	380	
	AJ4	5,509,083	04/1996	Abtahi et al.	382	124	
	AK4	5,517,528	05/1996	Johnson	375	259	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
scl	AL4	WO 92/11608	07/1992	PCT	G06K	9/00	Yes No
	AM4	WO 94/22371	10/1994	PCT	A61B	5/117	Yes No
	AN4	WO 96/17480	06/1996	PCT	H04N	13/93	Yes No
	AO4	WO 97/29477	08/1997	PCT	G09G	5/08	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

scl	AR	<u>4</u>	"Biometrics, The Future Is Now," www.securitymagazine.com , May 1999, pp. 25-26.
	AS	<u>4</u>	Mytec Technologies Gateway, (visited April 27, 1999) < http://www.mytec.com/Products/Gateway/ >, 1 page.
	AT	<u>4</u>	Mytec Technologies Gateway: Features & Benefits, (visited April 27, 1999) < http://www.mytec.com/Products/Gateway/features.htm >, 1 page.
	AU	<u>4</u>	Mytec Technologies Touchstone Pro, (visited April 27, 1999) < http://www.mytec.com/Products/Touchstone/ >, 1 page.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
SCC AUG 12 2001 PT & TRADE MARK OFFICE	AA5	5,528,355	06/1996	Maase et al.	356	71	
	AB5	5,548,394	08/1996	Giles et al.	356	71	
	AC5	5,591,949	01/1997	Bernstein	235	380	
	AD5	5,596,454	01/1997	Hebert	359	726	
	AE5	5,598,474	01/1997	Johnson	380	23	
	AF5	5,613,014	03/1997	Eshera et al.	382	124	
	AG5	5,615,277	03/1997	Hoffman	382	115	
	AH5	5,625,448	04/1997	Ranalli et al.	356	71	
	AI5	5,640,422	06/1997	Johnson	375	259	
	AJ5	5,649,128	07/1997	Hartley	395	309	
	AK5	5,650,842	07/1997	Maase et al.	356	71	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
SCC	AL5	WO 97/41528	11/1997	PCT	G06K	9/00, 9/74	Yes No
	AM5	WO 98/09246	03/1998	PCT	G06K	9/00	Yes No
	AN5	WO 98/12670	03/1998	PCT	G07C	9/00	Yes No
	AO5	WO 99/12123	03/1999	PCT	G06K	9/00	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	<u>5</u>	Mytec Technologies Touchstone Pro: Features, (visited April 27, 1999) < http://www.mytec.com/Products/Touchstone/features.htm >, 1 page.
	AS	<u>5</u>	Electronic Timeclock Systems and Biometric Readers (last updated April 17, 1999) < http://www.lfs-hr-bene.com/tclocks.html >, 1 page.
	AT	<u>5</u>	Fingerprint Time Clock (visited May 17, 1999) < http://www.lfs-hr-bene.com/Biometrics/Fingerprintclock.html >, 6 pages.
	AU	<u>5</u>	KC-901: The KSI fingerprint sensor (visited May 17, 1999) < http://www.kinetic.bc.ca/kc-901.html >, 3 pages.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
SC	AA6	5,661,451	08/1997	Pollag	340	426	
	AB6	5,680,205	10/1997	Borza	356	71	
	AC6	5,689,529	11/1997	Johnson	375	259	
	AD6	5,717,777	02/1998	Wong et al.	382	124	
	AE6	5,745,684	04/1998	Oskouy et al.	395	200.8	
	AF6	5,748,766	05/1998	Maase et al.	382	124	
	AG6	5,755,748	05/1998	Borza	607	61	
	AH6	5,778,089	07/1998	Borza	382	124	
	AI6	5,781,647	07/1998	Fishbine et al.	382	1	
	AJ6	5,793,218	08/1998	Oster et al.	324	754	
	AK6	5,805,777	09/1998	Kuchta	395	112	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
SC	AL6	WO 99/26187	05/1999	PCT	G06K	9/00	Yes No
	AM6	WO 99/40535	08/1999	PCT	G06K	9/00	Yes No
	AN6						Yes No
	AO6						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SC	AR	6	INTELNET INC. (visited May 20, 1999) < http://www.intelgate.com/index.html >, 1 page, Copyright 1996, Intelnet Inc.				
	AS	6	Ver-i-Fus Fingerprint Access Control System (visited May 20, 1999) < http://www.intelgate.com/verifus.htm >, 2 pages. (Ver-i-fus product released in 1995)				
	AT	6	Ver-i-fus® Configurations (visited May 20, 1999) < http://www.intelgate.com/verconfig.htm >, 1 page. (Ver-i-fus product released in 1995)				
	AU	6	Ver-i-Fus® & Ver-i-Fus ^{mi} ® (visited May 20, 1999) < http://www.intelgate.com/vif_data.htm >, 3 pages. (Ver-i-fus product released in 1995)				

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	SC	AA7	5,812,067	09/1998	Bergholz et al.	340	825.31
		AB7	5,815,252	09/1998	Price-Francis	356	71
		AC7	5,818,956	10/1998	Tuli	382	126
		AD7	5,822,445	10/1998	Wong	382	127
		AE7	5,825,005	10/1998	Behnke	235	380
		AF7	5,825,474	10/1998	Maase	356	71
		AG7	5,828,773	10/1998	Setlak et al.	382	126
		AH7	5,832,244	11/1998	Jolley et al.	395	309
		AI7	5,848,231	12/1998	Teitelbaum et al.	395	186
		AJ7	5,859,420	01/1999	Borza	250	208.1
		AK7	5,862,247	01/1999	Fisun et al.	382	116

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL7					Yes No
		AM7					Yes No
		AN7					Yes No
		A07					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SC	AR	1	Access Control System Configurations (visited May 20, 1999) < http://www.intelgate.com/access.htm >, 2 pages. (Ver-i-fus product released in 1995)
	AS	1	Company (visited May 17, 1999) < http://www.instainfo.com/company.htm >, 2 pages.
	AT	1	TouchLock™ II Fingerprint Identity Verification Terminal (visited May 17, 1999) < http://www.identix.com/TLock.htm >, 4 pages.
	AU	1	Physical Security and Staff Tracking Solutions (visited May 17, 1999) < http://www.identix.com/products/biosecurity.html >, 3 pages, Copyright 1996-1998, Identix Incorporated.

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	AA8	5,867,802	02/1999	Borza	701	35	
	AB8	5,869,822	02/1999	Meadows, II et al.	235	380	
	AC8	5,872,834	02/1999	Teitelbaum	379	93.03	
	AD8	5,900,993	05/1999	Betensky	359	710	
	AE8	5,907,627	05/1999	Borza	382	124	
	AF8	5,920,384	07/1999	Borza	356	71	
	AG8	5,920,640	07/1999	Salatino et al.	382	124	
	AH8	5,928,347	07/1999	Jones	710	129	
	AI8	5,960,100	09/1999	Hargrove	382	124	
	AJ8	5,973,731	10/1999	Schwab	348	161	
	AK8	5,974,162	10/1999	Metz et al.	382	124	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL8						Yes No
	AM8						Yes No
	AN8						Yes No
	AO8						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SC	AR	8	Veriprint2000 Fingerprint Verification Terminal For Use With Jantek Time & Attendance Software (visited May 17, 1999) < http://www.hunterequipment.com/fingerprint.htm >, 2 pages.
	AS	8	Veriprint Product Applications (visited April 27, 1999) < http://www.biometricid.com/uses.htm >, 1 page, Copyright 1999, Biometric Identification, Inc.
	AT	8	BII Home Page (visited April 27, 1999) < http://www.biometricid.com/homepage.htm >, 1 page, Copyright 1999, Biometric Identification, Inc.
	AU	8	Veriprint 2100 Stand-Alone Fingerprint Verification Terminal (visited April 27, 1999) < http://www.biometricid.com/veriprint2100.htm >, 3 pages.

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	AA9	5,987,155	11/1999	Dunn et al.	382	116	
	AB9	5,995,014	11/1999	DiMaria	340	825.31	
	AC9	6,018,739	01/2000	McCoy et al.	707	102	
	AD9	6,023,522	02/2000	Draganoff et al.	382	124	
	AE9	6,041,372	03/2000	Hart et al.	710	62	
	AF9	6,075,876	06/2000	Draganoff	382	124	
	AG9	6,078,265	06/2000	Bonder et al.	340	825.31	
	AH9	6,088,585	07/2000	Schmitt et al.	455	411	
	AI9	6,104,809	08/2000	Berson et al.	380	23	
	AJ9						
	AK9						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL9						Yes No
	AM9						Yes No
	AN9						Yes No
	AO9						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	9	Randall, N., "A Serial Bus on Speed," PC Magazine, May 25, 1999, pp. 201-203.
	AS	9	The DERMALOG Check-ID (visited November 12, 1999) < http://www.dermalog.de/ganzneu/products_check.html >, 1 page.
	AT	9	Check-ID Specifications and Features (visited November 12, 1999) < http://www.dermalog.de/ganzneu/spec_check.html >, 1 page, Copyright 1999, Dermalog GmbH.
✓	AU	9	Startek's Fingerprint Verification Products: FingerFile 1050 (visited October 8, 1999) < http://www.startek.com.tw/product/ff1050/ff1050.html >, 3 pages.

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		AA10					
		AB10					
		AC10					
		AD10					
		AE10					
		AF10					
		AG10					
		AH10					
		AI10					
		AJ10					
		AK10					

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL10					Yes No
		AM10					Yes No
		AN10					Yes No
		AO10					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	<u>10</u>	Time is Money! (visited June 5, 1998) < http://www.iaus.com/afim.htm >, 3 pages.
	AS	<u>10</u>	LS 1 LiveScan Booking Workstation High Performance Finger & Palm Scanning System (visited June 4, 1998) < http://www.hbs-jena.com/lsl.htm >, 6 pages, Copyright 1998, HBS Gmbh.
	AT	<u>10</u>	Welcome to the Homepage of Heimann Biometric Systems GMBH (visited June 4, 1998) < http://www.hbs-jena.com/ >, 1 page, Copyright 1998, HBS Gmbh.
	AU	<u>10</u>	Heimann Biometric Systems Corporate Overview (visited June 4, 1998) < http://www.hbs-jena.com/company.htm >, 4 pages, Copyright 1998, HBS Gmbh.

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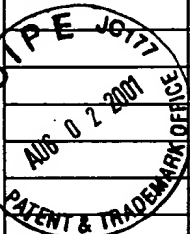
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1823.0330001APPLICATION NO.
09/821,044APPLICANT
David C. SmithFILING DATE
March 30, 2001GROUP
2621


U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA11					
	AB11					
	AC11					
	AD11					
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	AK11					

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL11					Yes No
	AM11					Yes No
	AN11					Yes No
	AO11					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>11</u>	Remote Access Positive IDentification - raPID (visited June 3, 1998) < http://www.nec.com... >, 2 pages, Copyright 1997.
	AS	<u>11</u>	Morpho DigiScan Cellular (visited June 3, 1998) < http://www.morpho.com/products/law_enforcement/digiscan/cellular.htm >, 2 pages, Copyright 1998, Sagem Morpho, Inc.
	AT	<u>11</u>	A.F.I.S. (last updated April 2, 1998) < http://www.dermalog.de/afis.htm >, 2 pages.
	AU	<u>11</u>	Morpho FlexScan Workstation (visited June 3, 1998) < http://www.morpho.com/products/law_enforcement/flexscan/ >, 2 pages, Copyright 1998, Sagem Morpho, Inc.

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Sheela Chavara

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL12						Yes No
	AM12						Yes No
	AN12						Yes No
	AO12						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

sc	AR	12	True-ID® The LiveScan with special "ability"..., 2 pages.
	AS	12	Printrak International: User List (visited June 3, 1998) < http://www.printrakinternational.com and links>, 10 pages, Copyright 1996, Printrak International Inc..
	AT	12	Live-Scan Products: Tenprinter® 1133S (visited April 23, 1999) < http://www.digitalbiometrics.com/Products/tenprinter.htm >, 4 pages. (Tenprinter 1133S released in 1996)
	AU	12	TouchPrint™ 600 Live-Scan System (visited April 23, 1999) < http://www.identix.com/products/livescan.htm >, 4 pages, Copyright 1996-1998, Identix Incorporated.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL13						Yes No
	AM13						Yes No
	AN13						Yes No
	AO13						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	13	Systems for Live-Scan Fingerprinting, Digital Biometrics, Inc., 8 pages, Copyright 1998.
	AS	13	DBI FingerPrinter CMS, Digital Biometrics, Inc., 5 pages. (CMS released in 1998)
	AT	13	Fingerscan V20, Identix Incorporated, 1 page, Copyright 1999, Identix, Inc..
	AU	13	Verid Fingerprint Reader, TSSI, 4 pages.

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL14					Yes No
		AM14					Yes No
		AN14					Yes No
		AO14					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	14	Response to Request for Information, Cross Match Technologies, Inc., 13 pages, April 14, 1999.
	AS	14	Startek's Fingerprint Verification Products (visited November 17, 1999) < http://www.startek.com.tw/product/index.html >, 1 page.
	AT	14	Introduction to Startek's Fingerprint Verification Products (visited November 17, 1999) < http://www.startek.com.tw/product/index2.html >, 2 pages.
	AU	14	Automatic Fingerprint Identification Systems (visited November 17, 1999) < http://www.sagem.com/en/produit4-en/empreinte-dig-en.htm >, 1 page.

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL15					Yes No
		AM15					Yes No
		AN15					Yes No
		AO15					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

See ↓	AR	<u>15</u>	Digital Biometrics Corporate Information (visited November 17, 1999) < http://www.digitalbiometrics.com/Corporate_info/Corporate_info.htm >, 2 pages. (discusses technology as early as 1985)
	AS	<u>15</u>	DBI Live-Scan Products: Digital Biometrics TENPRINTER (visited November 17, 1999) < http://www.digitalbiometrics.com/products/tenprinter.htm >, 4 pages. (Tenprinter released in 1996)
	AT	<u>15</u>	DBI Live-Scan Products: NETWORKING OPTIONS (visited November 17, 1999) < http://www.digitalbiometrics.com/products/networking_options.htm >, 3 pages.
	AU	<u>15</u>	DBI Live-Scan Products: Digital Biometrics FingerPrinter CMS (visited November 17, 1999) < http://www.digitalbiometrics.com/products/FingerPrinterCMS.htm >, 3 pages. (CMS released in 1998)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL16					Yes No
		AM16					Yes No
		AN16					Yes No
		AO16					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

See	AR	<u>16</u>	DBI Live-Scan Products: Image Printer Stations (visited November 17, 1999) < http://www.digitalbiometrics.com/products/imageprinter.htm >, 2 pages.
	AS	<u>16</u>	DBI Live-Scan Products: FC-21 Fingerprint Capture Station (visited November 17, 1999) < http://www.digitalbiometrics.com/products/fingerprintcapture.htm >, 2 pages.
	AT	<u>16</u>	Series 400 OEM Scanner (visited November 17, 1999) < http://www.ultra-scan.com/400.htm >, 3 pages. (Scanner released in 1996)
✓	AU	<u>16</u>	USC Scanner Design (visited November 17, 1999) < http://www.ultra-scan.com/scanner.htm >, 4 pages. (Scanner released in 1996)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL17						Yes No
	AM17						Yes No
	AN17						Yes No
	AO17						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCE	AR	17	Series 500/600 Scanners (visited November 17, 1999) <http://www.ultra-scan.com/500.htm>, 3 pages. (Scanner released in 1996)
	AS	17	Series 700 ID Station (visited November 17, 1999) <http://www.ultra-scan.com/700.htm>, 3 pages. (Scanner released in 1998)
	AT	17	Identix: The Corporation (visited November 17, 1999) <http://www.identix.com/corporate/home.htm>, 2 pages, Copyright 1996-1998, Identix Incorporated.
	AU	17	Biometric Imaging Products (visited November 17, 1999) <http://www.identix.com/products/bioimage.htm>, 1 page, Copyright 1996-1998, Identix Incorporated.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL18						Yes No
	AM18						Yes No
	AN18						Yes No
	AO18						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCE	AR	18	TouchPrint™ 600 Live-Scan System (visited November 17, 1999) < http://www.identix.com/products/livescan.htm >, 4 pages, Copyright 1996-1998, Identix Incorporated.
	AS	18	TouchPrint™ 600 Palm Scanner (visited November 17, 1999) < http://www.identix.com/products/palmscan.htm >, 3 pages, Copyright 1996-1998, Identix Incorporated.
	AT	18	TouchPrint™ 600 Card Scan System (visited November 17, 1999) < http://www.identix.com/products/cardscan.htm >, 3 pages, Copyright 1996-1998, Identix Incorporated.
✓	AU	18	DERMALOG KEY - The safest and easiest way of access control (Last updated July 18, 1998) < http://www.dermalog.de/Britain/Products/Key/key.htm >, 1 page.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL19					Yes No
		AM19					Yes No
		AN19					Yes No
		AO19					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

See	AR	19	DERMALOG FINGER-ID Your small size solution for high security (Last updated July 18, 1998) < http://www.dermalog.de/Britain/Products/Finger/fingerid.htm >, 1 page.
	AS	19	Mytec: Corporate (visited November 17, 1999) < http://www.mytec.com/corporate/ >, 2 pages.
	AT	19	Kinetic Sciences Inc. Fingerprint Biometrics Division (visited November 17, 1999) < http://www.kinetic.bc.ca/main-FPB.html >, 1 page.
	AU	19	Fingerprint Biometrics: Securing The Next Generation, May 19, 1999, (visited November 17, 1999) < http://www.secugen.com/pressrel.htm >, 2 pages.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL20						Yes No
	AM20						Yes No
	AN20						Yes No
	AO20						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SC ↓	AR	20	SecuGen Unveils Fully Functional Fingerprint Recognition Solutions, May 11, 1999, (visited November 17, 1999) < http://www.secugen.com/pressrel.htm >, 3 pages, Copyright 1999 SecuGen Corporation.
	AS	20	POLLEX Technology Ltd., The Expert in Fingerprint Identification - POLLog (visited November 17, 1999) < http://www.pollex.ch/english/products/pollog.htm >, 2 pages.
	AT	20	Sony Fingerprint Identification Terminal (visited November 17, 1999) < http://www.iosoftware.com/biosols/sony/fiu/applications/fit100.htm >, 2 pages.
	AU	20	Sony Fingerprint Identification Unit (FIU-700) (visited November 17, 1999) < http://www.iosoftware.com/biosols/sony/fiu70/index.htm >, 2 pages. (Unit available late 1999)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL21						Yes No
	AM21						Yes No
	AN21						Yes No
	AO21						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>21</u>	Sony Fingerprint Identification Unit (visited November 17, 1999) < http://www.iosoftware.com/biosols/sony/fiu/index.htm >, 3 pages.
	AS	<u>21</u>	Fujitsu Fingerprint Recognition Device (FPI-550) (visited November 17, 1999) < http://www.iosoftware.com/biosols/fujitsu/fpi550.htm >, 2 pages.
	AT	<u>21</u>	Mitsubishi MyPass LP-1002 (visited November 17, 1999) < http://www.iosoftware.com/biosols/mitsubishi/mypass.htm >, 2 pages.
	AU	<u>21</u>	SecureTouch PV - A Personal "Password Vault" (visited November 17, 1999) < http://www.biometricaccess.com/securetouch_pv.htm >, 1 page.

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL22						Yes No
	AM22						Yes No
	AN22						Yes No
	AO22						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

S C E ↓	AR	22	Digital Descriptor Systems, Inc.-Profile (visited November 17, 1999) < http://www.ddsi-cpc.com/pages/profile.html >, 3 pages.
	AS	22	Press Release: Printrak International Announces New Portable Fingerprint ID Solution, December 10, 1996, (visited November 17, 1999) < http://www.scott.net/~dg/25.htm >, 3 pages.
	AT	22	Corporate Profile (visited November 17, 1999) < http://www.printrakinternational.com/corporate.htm >, 1 page.
	AU	22	Printrak Products (visited November 17, 1999) < http://www.printrakinternational.com/Products.htm >, 1 page. (Discusses technology as early as 1974)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL23						Yes No
	AM23						Yes No
	AN23						Yes No
	AO23						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCL ↓ ✓	AR	<u>23</u>	Verifier™ 200 Fingerprint Capture Devices, Cross Match Technologies, Inc., 2 pages, 1996-1997.
	AS	<u>23</u>	Verifier 200 Direct Fingerprint Reader, Cross Check Corporation, 2 pages, 1996-1997.
	AT	<u>23</u>	Verifier™ 250 Fingerprint Capture Devices, Cross Match Technologies, Inc., 2 pages, 1996-1997.
	AU	<u>23</u>	Verifier 250 Small Footprint Direct Fingerprint Reader, Cross Check Corporation, 2 pages, 1996-1997.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL24						Yes No
	AM24						Yes No
	AN24						Yes No
	AO24						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SC ↓ ✓	AR	24	Verifier™ 290 Fingerprint Capture Devices, Cross Match Technologies, Inc., 2 pages, 1996-1997.
	AS	24	Verifier 290 Direct Rolled Fingerprint Reader, Cross Check Corporation, 2 pages, 1996-1997.
	AT	24	Verifier™ 500 Fingerprint Capture Devices, Cross Match Technologies, Inc., 2 pages, 1998.
	AU	24	Biometric terminal, 1 page.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
		AA25					
		AB25					
		AC25					
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL25					Yes No
		AM25					Yes No
		AN25					Yes No
		AO25					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

See	AR	25	10-Print Imaging System, Cross Check Corporation, 2 pages, 1998.
	AS	25	Cross Match Technologies, Inc. (visited March 25, 1999) < http://www.crossmatch.net/ >, 1 page.
	AT	25	Cross Match Technologies, Inc. - Products Overview (visited March 25, 1999) < http://www.crossmatch.net/new/products/product-index.html >, 1 page.
	AU	25	Cross Match Technologies, Inc. - Law Enforcement Systems (visited March 25, 1999) < http://www.crossmatch.net/new/law/law-index.html >, 2 pages.

EXAMINER *Sheela Chavan*

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6/3/01

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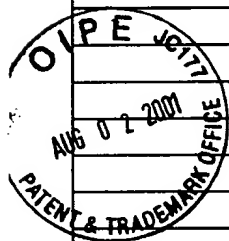
FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1823.0330001APPLICATION NO.
09/821,044APPLICANT
David C. SmithFILING DATE
March 30, 2001GROUP
2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA26						
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FOREIGN PATENT DOCUMENTS

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	AL26						Yes No
	AM26						Yes No
	AN26						Yes No
	AO26						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

8c	AR	26	Cross Match Technologies, Inc. - Commercial Systems: Building On The Standard (visited March 25, 1999) < http://www.crossmatch.net/new/commercial/commercial-index.html >, 2 pages.
	AS	26	Cross Match Technologies, Inc. - International Sales (visited March 25, 1999) < http://www.crossmatch.net/new/sales/sales-index.html >, 1 page.
	AT	26	Cross Match Technologies, Inc. - Support (visited March 25, 1999) < http://www.crossmatch.net/new/support/support-index.html >, 1 page.
	AU	26	Cross Match Technologies, Inc. - News - Press Releases - Verifier 400 Press Release (visited March 25, 1999) < http://www.crossmatch.net/new/news/news-pr-050798.html >, 1 page.

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	APPLICANT David C. Smith	
	FILING DATE March 30, 2001	GROUP 2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA27						
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	AL27						Yes No
	AM27						Yes No
	AN27						Yes No
	AO27						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	27	Global Security Fingerscan™ System Overview (visited January 11, 2000) < http://wwwu-net.com/mbp/sol/g/a9.htm >, Fujitsu Australia Limited, 1995, Third Edition, 12 pages.
	AS	27	"Command Structure for a Low-Cost (Primitive) Film Scanner," IBM Technical Disclosure Bulletin, IBM Corp., Vol. 35, No. 7, December 1992, pp. 113-121.
	AT	27	Fingerprint Scan API Toolkit Version 1.x Feature List (April 26, 2000) < http://www.mentalix.com/api/archive_fapiv1.htm >, 3 pages.
✓	AU	27	"Image Acquisition System," IBM Technical Disclosure Bulletin, IBM Corp., Vol. 29, No. 5, October 1986, pp. 1928-1931.

EXAMINER <i>Sheela Chavan</i>	DATE CONSIDERED <i>6/3/05</i>
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	APPLICANT David C. Smith	
	FILING DATE March 30, 2001	GROUP 2621

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	AL28						Yes No
	AM28						Yes No
	AN28						Yes No
	AO28						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SCC	AR	28	Kunzman, Adam J. and Wetzel, Alan T., "1394 High Performance Serial Bus: The Digital Interface for ATV," <i>IEEE Transaction on Consumer Electronics</i> , IEEE, Vol. 41, No. 3, August 1995, pp. 893-900.
	AS	28	Mentalix Provides The First IAFIS-Certified Latent Print Scanning Solution For Windows (July 23, 1999) < http://www.mentalix.com/pressreleases/fprintplook3_prel.htm >, 2 pages.
	AT	28	Sluijs, F. et al., "An On-chip USB-powered Three-Phase Up/down DC/DC Converter in a Standard 3.3V CMOS Process," <i>2000 IEEE International Solid-State Circuits Conference</i> , IEEE, February 9, 2000, pp. 440-441.
✓	AU	28	Venot, A. et al., "Automated Comparison of Scintigraphic Images," <i>Journal of Nuclear Medicine</i> , Vol. 27, No. 8, August 1986, pp. 1337-1342.

EXAMINER <i>Sheela Chao</i>	DATE CONSIDERED <i>6/3/01</i>
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	APPLICANT David C. Smith	
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	AL29						Yes No
	AM29						Yes No
	AN29						Yes No
	AO29						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	29	EPO Patent Abstract for Japanese Patent Publication No. 59-103474, published June 14, 1984, 1 page.
	AS	29	EPO Patent Abstract for Japanese Patent Publication No. 10-079017, published March 24, 1998, 1 page.
	AT	29	EPO Patent Abstract for Japanese Patent Publication No. 10-262071, published September 29, 1998, 1 page.
	AU	29	EPO Patent Abstract for Japanese Patent Publication No. 11-167630, published June 22, 1999, 1 page.

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6/3/05

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	APPLICANT David C. Smith	
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	AL30						Yes No
	AM30						Yes No
	AN30						Yes No
	AO30						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>ec</i>	AR	<u>30</u>	EPO Patent Abstract for Japanese Patent Publication No. 11-252489, published September 17, 1999, 1 page.
<i>sc</i>	AS	<u>30</u>	Copy of International Search Report for PCT/US00/35434, mailed May, 7, 2001, 6 pages.
	AT	<u>30</u>	
	AU	<u>30</u>	

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